

Notice of Allowability

Application No.

10/693,329

Examiner

Lee Y Quach

Applicant(s)

STAHL, THOMAS D.

Art Unit

2885

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment of November 29, 2006.
2. ☒ The allowed claim(s) is/are 3,4,6-8,10,13,17,39-45 and 47-53.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



Y Quach Lee
Primary Examiner
Art Unit 2885

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1. The following is an examiner's statement of reasons for allowance:

Claim 6 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources comprising a panel of LEDs and a plurality of parabolic concentrators positioned to direct the output light from the LEDs toward a means for collecting light having a plurality of surfaces including optical coatings to create a consistent set of indices of refraction and directing the output light towards a target area through a top portion of the means for collecting light. Claims 3, 4, 7, 8, 10, 13 and 17 depend on and further limit allowed claim 6 and as such are also allowed.

Claim 43 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light toward a means for collecting light having a plurality of surfaces including optical coatings to create a consistent set of indices of refraction with the surfaces directing the light towards a target area, and a light source directing light through the means for collecting light with the light exiting through a top portion of the means for collecting light having a truncated pyramid shape. Claims 39 to 42 depend on and further limit allowed claim 43 and as such are also allowed.

Claim 44 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light toward a means for collecting light having a plurality of surfaces with the surfaces directing the light in a direction towards an image panel, and a light source directing light through the means for collecting light with the light exiting through a top portion of the means for collecting light having a truncated pyramid shape.

Claim 45 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light toward a means for collecting light having a plurality of surfaces comprising a first, a second, a third and a fourth of the surfaces reflecting light from a first, second, third and fourth of the light sources, respectively, with these surfaces directing the light towards a target area, and a light source directing light through the means for collecting light with the light exiting through a top portion of the means for collecting light having a truncated pyramid shape.

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Claim 51 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light from the light sources in a direction toward a light collector having a plurality of surfaces including optical coatings to create a consistent set of indices of refraction and a truncated pyramid shape with the surfaces directing the light from the light sources in a direction towards a target area, and one of the light sources directing light through the light collector with the light exiting through a top portion of the light collector. Claims 47 to 50 depend on and further limit allowed claim 51 and as such are also allowed.


Claim 52 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light toward a light collector having a plurality of surfaces and a truncated pyramid shape with the surfaces directing the light from the light sources in a direction towards an image panel, and one of the light sources directing light through the light collector with the light exiting through a top portion of the light collector.

Claim 53 is allowed because the prior art whether individually or in combination does not teach the combination of a plurality of light sources positioned to direct the light toward a light collector having a plurality of surfaces comprising a first, a second, a third and a fourth of the surfaces reflecting light from a first, second, third and fourth of the light sources, respectively, with these surfaces directing the light towards a target area, and one of the light sources directing light through the light collector with the light exiting through a top portion of the light collector having a truncated pyramid shape.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y Quach Lee whose telephone number is 571-272-2373. The examiner can normally be reached on Tuesday and Thursday from 8:30 am to 4:30 pm.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service 571-272-2815.

Y. Q.
February 13, 2007


Y Quach Lee
Primary Examiner
Art Unit 2885